MK802 IIIS User Manual

RKM

Android Dual Core Mini PC

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Declaration

- The user manual includes all the information of safe and correct operation instruction. To avoid accident and product damaged, please make sure go through all the content carefully before using the product.
- Please keep the product away from high temperature, humid and dusty environment.
- Do not drop or crash the product.
- Do not cut off the device when it is formatting, or upgrading, otherwise it will cause operation system error.
- Do not dismantle the device. Do not clean it by alcohol, thinner and Benzene.
- We keep the right to upgrade and modify the product.
- Disclaimer: we only take the responsibility to provide the warranty and after service. The users have to take care of their data in the device by themselves. We do not responsible for any data or related lost.
- The product is not water-proof.
- All the pictures in the instruction are just for reference.

1. Connector

Micro-USB Power: Connect with TV USB port for charge the unit.

USB 2.0 HOST: Connect with other USB device.

USB OTG: Data transfer with PC, or connect USB device.

HDMI: High Definition Multimedia Interface Output

Micro SD: Support expanded 2GB-32GB TF card

2. Device connection Instruction

a) Take out the device insert into your TV HDMI port(if there is no enough space around HDMI interface for MK802IIIS, please use HDMI extend cable), make sure source is HDMI input mode.(Refer to TV set user manual).

b) Power supply connection: take out Micro USB cable to USB cable, connect the MK802IIIS with TV via this cable; If the TV USB port can't provide enough current, please take USB power supply.(Any USB power supply among 5V/1A to 5V/2A are available).

c) Suggest using 2.4G wireless keyboard or mouse. Plug 2.4G receiver on USB Host connector, if only mouse plugged, the device will provide soft keyboard during operation; If the device detected the physical keyboard, the soft keyboard will be hidden automatically.

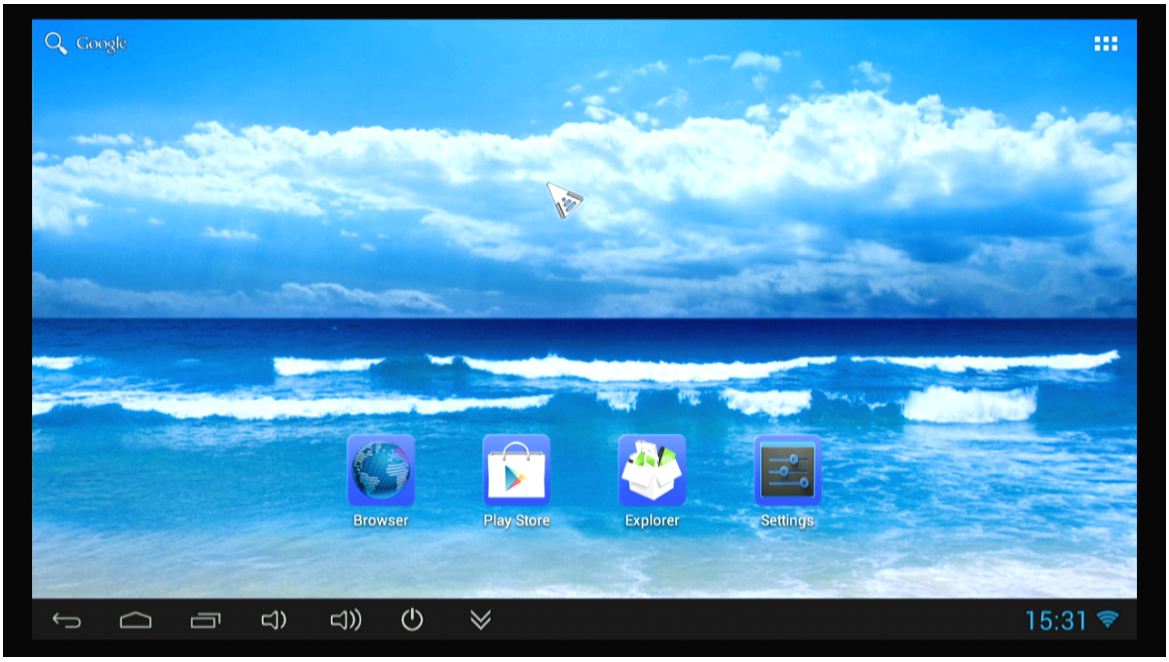
d) Mouse left button for "ok", right button for "return", rolling for page up and page down, Keep holding left button to drag icon or copy/paste file. Keep holding middle button to pop up properties.

3. Boot state

After powered around 10 seconds, the boot screen would appear.

Then access to Rikomagic boot logo;

After around 30 seconds, device would access to main screen;

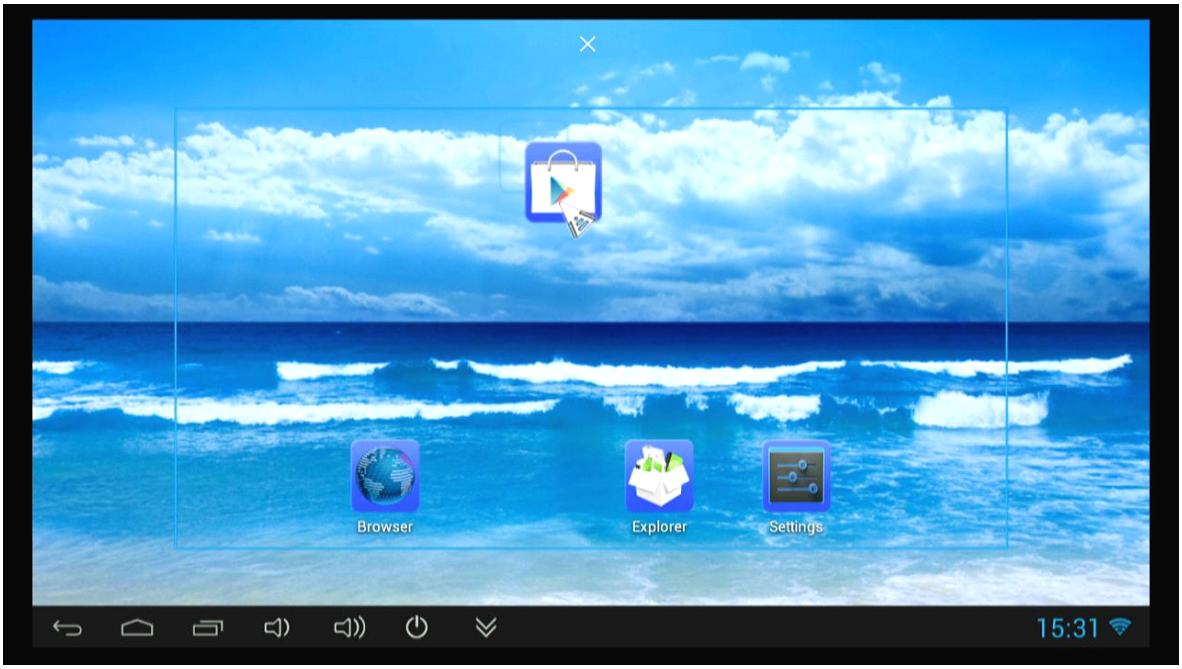


4. Main Screen Introduction

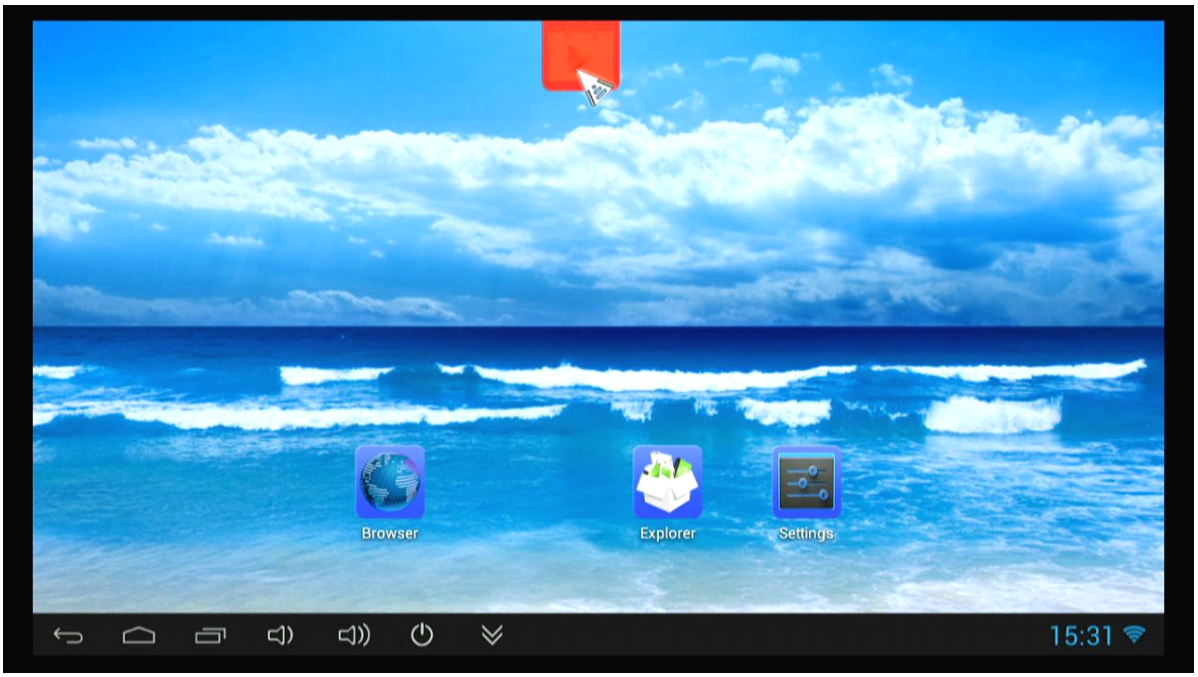
4.1 Move/Delete desktop icon

Long-press any icon in the main menu, you could put it in any position as you like, at the same time you

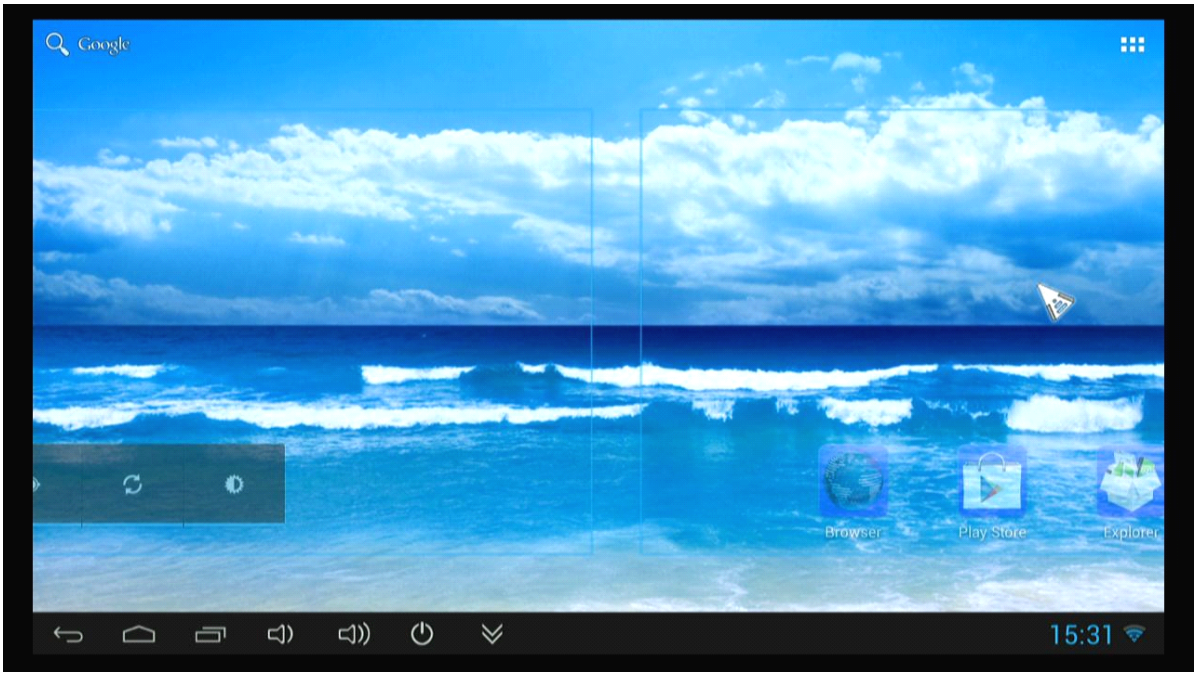
could put the other apps shortcut to the desktop.



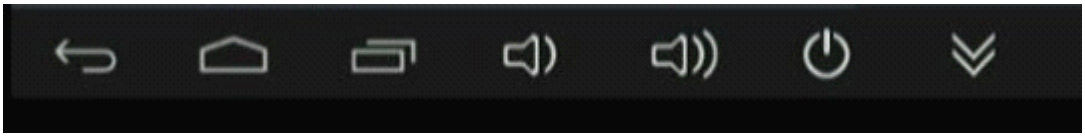
Long press the icon and move it to the right above “×”and loosen, then you could delete it



Move your cursor to any space and drag towards left or right for page rolling.Also you can use the mouse wheel for rolling page.



4.2 Function column



Return button: click to return to previous directory;

Homepage button: click it anytime to return to main menu;

Program button: Click to check all the running program;

Volume decrease button: Click to decrease volume;

Volume increase button: Click to increase volume;

Properties button: in different apps, it shows different contents. It's equivalent to Windows properties button;

Soft turn off button.

Hide icon: click for hide this function bar.

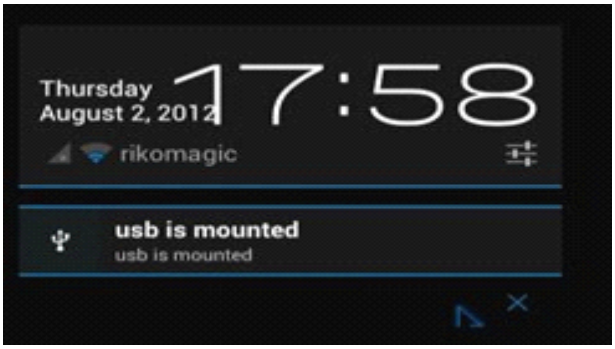
Search button: Located in the top left corner of the main menu, click this icon to pop up webpage screen, user can input any website here.

Program tools button: Located in the right top corner of the desktop, click this icon to pop up all the apps which has been installed.

4.3 Status bar

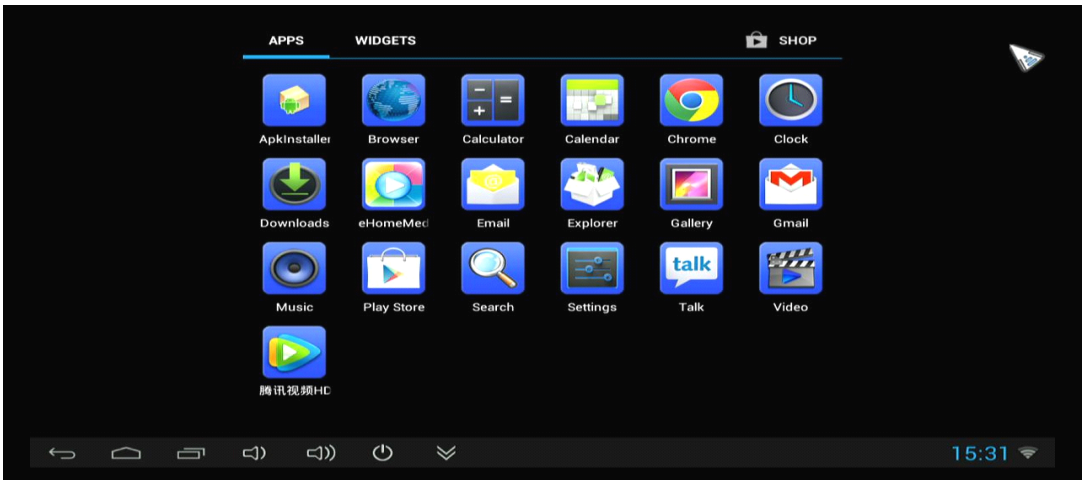
Located on the right bottom, display T-Flash Card, USB connection, Time, Wifi and Download status.

Click status bar, the hide menu will pop up:



4.4 Application

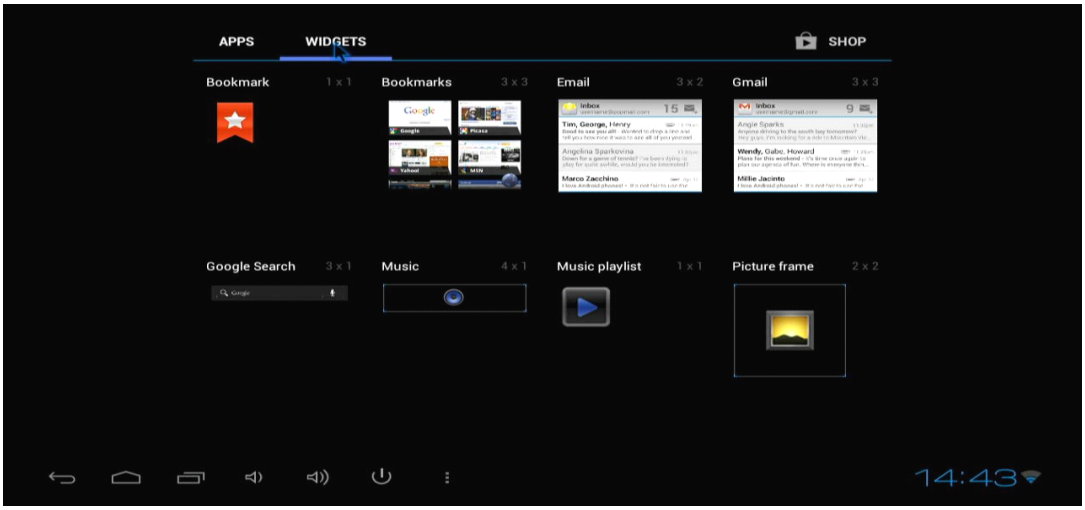
Click to pop up all the installed app and setup tools icon.



- if the installed APP beyond the first page, drag the page or rolling the mouse roller will display the second page of APP;
- You can directly use these APPs, or set up related tools, or long-press those commonly used APP to drag onto the desktop.

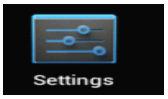
Click

to access widgets, long press any widgets to form corresponding shortcut on the desktop.

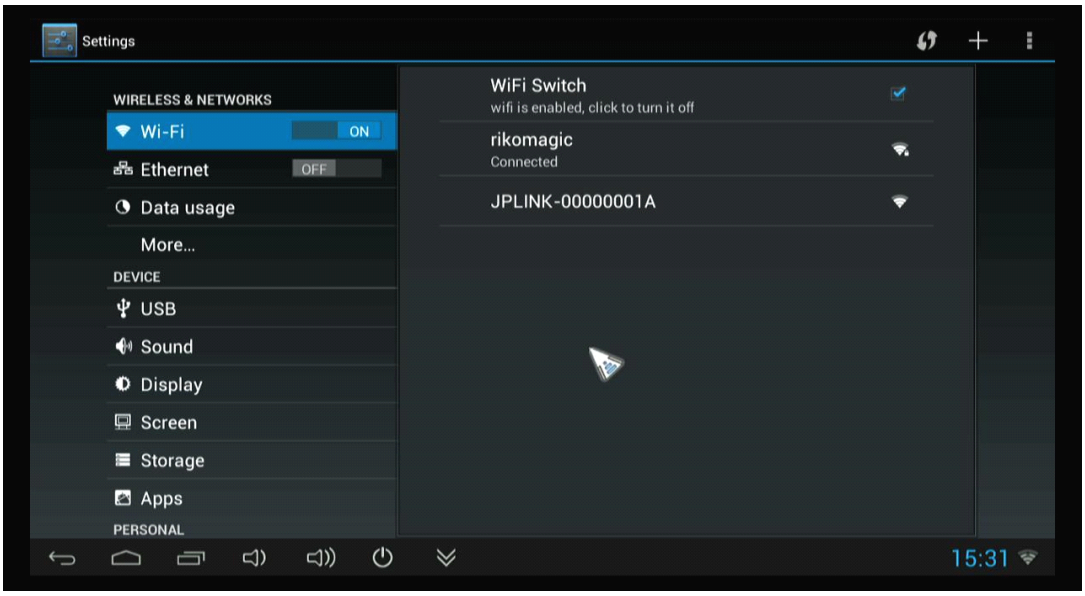


5. Settings

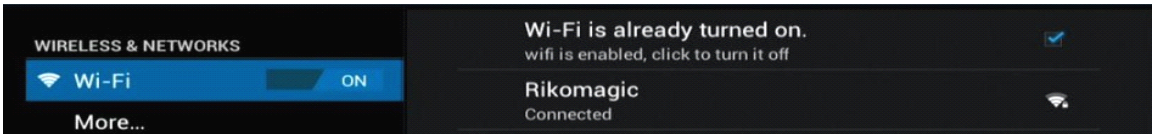
In the system user can setup according to their own requirements, such as network connection, language, input methods, Video output resolution, Sound output and check storage space.

Click the tool bar 

to pop up below screen.



5.1 WIFI Setting



When opened the WIFI, the MK802 IIIS will auto search available wireless router signals within 20 meters, user just choose a router and input correct password to connected network.

5.2 Ethernet Settin

If there is no WIFI in the house, suggest to connect a USB LAN adapter (please select right matched USB LAN adapter) to setting Ethernet.

Setting method: Click “setting” → “More” → “Ethernet” → tick “Use Ethernet”, then the Ethernet setting finished.

5.3 Portable host pot

If connected the device with Ethernet (not WiFi), then open portable host pot function, you could regard MK802 IIIS as an wireless AP.

5.4 Bluetooth (Optional, just available for MK802 IIIS-Blue tooth)

Bluetooth is a wireless technology standard for exchanging data over short distances (using short-wavelength radio transmissions in the ISM band from 2400–2480 MHz) from fixed and mobile devices, creating personal area networks (PANs) with high levels of security.

Open Bluetooth settings--> Scan and search equipment-->select a device, input Bluetooth wireless password (if required)-->confirm. Then complete the Bluetooth pairing.

Notice:

- Some equipment, for example, Bluetooth headset maybe have a fixed password (like 000), then you must input corresponding password.
- Some equipment without testing or without Bluetooth SIG examination and approval, may not compatible with MK802IIIS.

5.5 PPPOE Setting

If the network need dial-up, then click PPPOE Settings and input account and password.

Click “Setting → “More” → “PPPOE Settings” → input account and password.

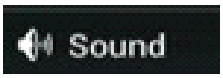
5.6 USB

For exchange data between the MK802 IIIS and PC.

Specific operation steps：

1. Equipment connection: take out the Micro USB to USB cable, connect the machine with PC through this cable，at same time, connect the machine with TV through HDMI cable.
2. Settings: After device access to the main screen，click Settings → USB → Connect to PC, press confirm. After the device access to USB mode, turn on USB storage. Now your computer could find the device and you can copy/paste files freely.

5.7 Sound



This is for Sound settings;

Volume: Control volume level;

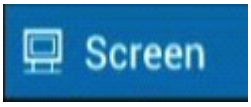
Operate prompt tone: Setting prompt tone during operating;

Screen saver sound: Setting screen saver sound.

5.8 Display

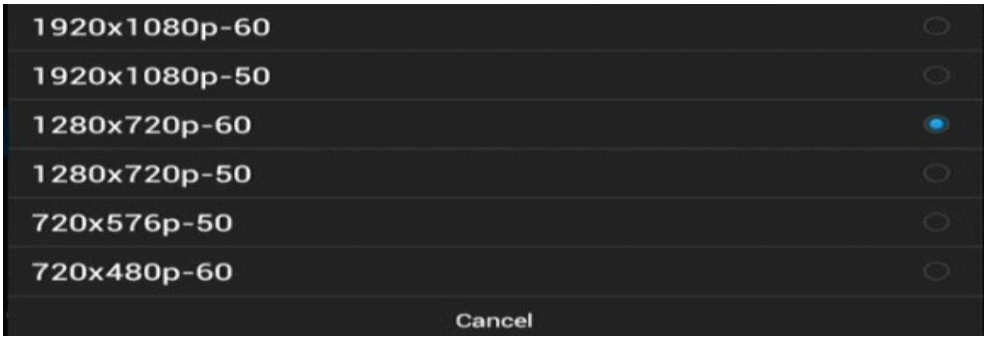
Font size: Setting font size according to their own request;

5.9 Screen



This is for Screen settings:

1. Screen ratio: Used for adjusting screen ratio.
2. Output Interface: Default HDMI
3. HDMI mode: User can setting corresponding output resolution according to the TV.Normally system will be detected automatically.



5.10 Storage

In this option, user could view local storage space and external storage space, besides, user even can uninstall or format storage equipment.

Notice: System divided the whole storage into seven partition, only two partition visible, the other five

partition has been occupied by Android system which is invisible.
The balance space is equal to the sum of two partitions.

5.11 Apps

In this option, user could view installed and running apps, at same time could check DDR parameters.

5.12 Security

User can set password according to their request.

5.13 Language & input

1. User can set the language for system menus according to their Country or preference(60 languages supported)
2. System default support Chinese and English, user need manual installing other input methods.
3. User could set keyboard and mouse cursor speed and simulated mouse step length at here.

5.14 Backup & reset

Backup: If there are some important files or apps inside, you′d better choose backup in case files lost.

Reset: If choose this option, and confirm, system will back to factory setting, all the user′s settings and apps will missing, (Not suggest);

5.15 Date & time

Since there is no battery inside, the date and time setting can′t be saved.

Suggest setting to use the network synchronization time, as long as the network connected, then the date and time will be with the network synchronization.

5.16 Developer options

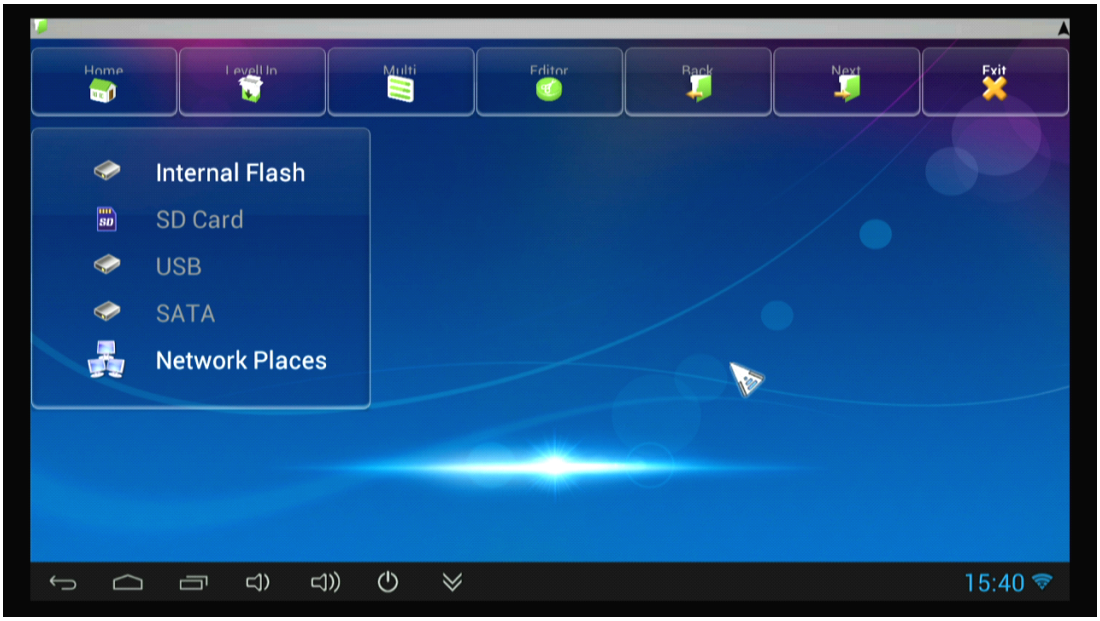
USB debugging: During connecting with PC to exchange data, please open this option;

5.17 About device

User can check system info here.

6. Browse /Copy Files

1.Open file management on the desktop.



Internal Flash: Check internal storage space

SD Card: If TF card inside, icon will be highlight

USB: If USB device (HDD, U-disk) connected, the icon will be highlight.

Network Places: Through this option, user can access to other PC to find files and playback.

2.File Copy

Long-press a file or folder will pop-up a menu, including: Copy, Delete, Move, Paste, Rename options, if no need execute operation, just click “cancel”.

7. Install/Uninstall Apps

MK802IIIS support many commonly used third-party apps. You can install or uninstall apps freely, there are two methods available for installing Apps:

7.1 Online installation

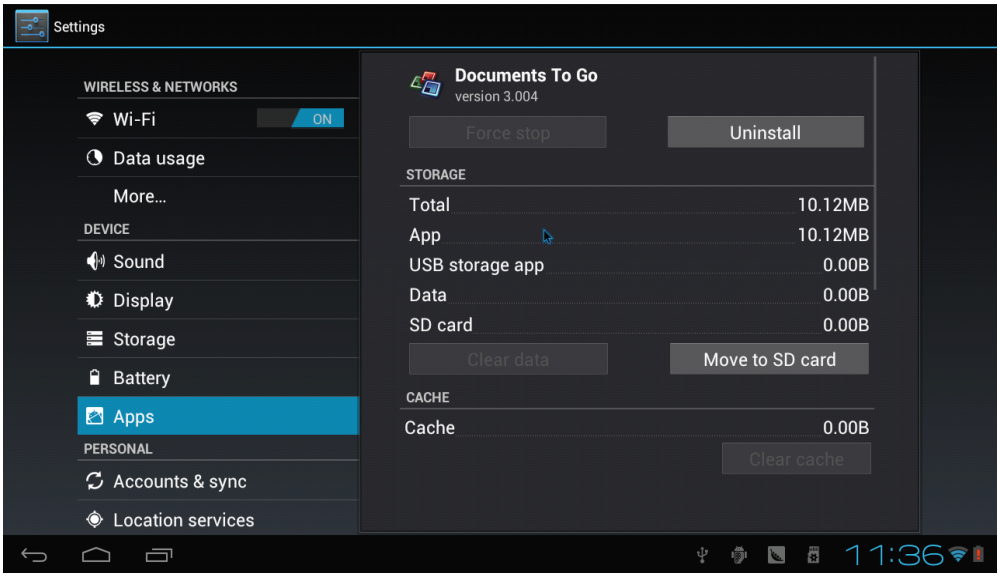
Please login Google Play store or other Android marketing to download Apps (User should have Gmail account if download from Google play store), After download system will remind you to install the Apps, just click install according to the system prompt.

7.2 Local installation

User also can copy app from computer to U disk or TF card, insert the U disk or TF card to your device, just click the APK icon to install according to the system prompt.

7.3 Uninstall Apps

Click Settings→Apps, click an Apps you want to uninstall, the uninstall window will pop up click uninstall to uninstall. If you don't want to uninstall just exit.



8. DLNA

DLNA : Through some special APP(such as iMedia Share Lite.), all the multimedia files can be pushed from smart phone or Android tablet PC to big screen, user can share those pictures/music/videos with family or friends freely.

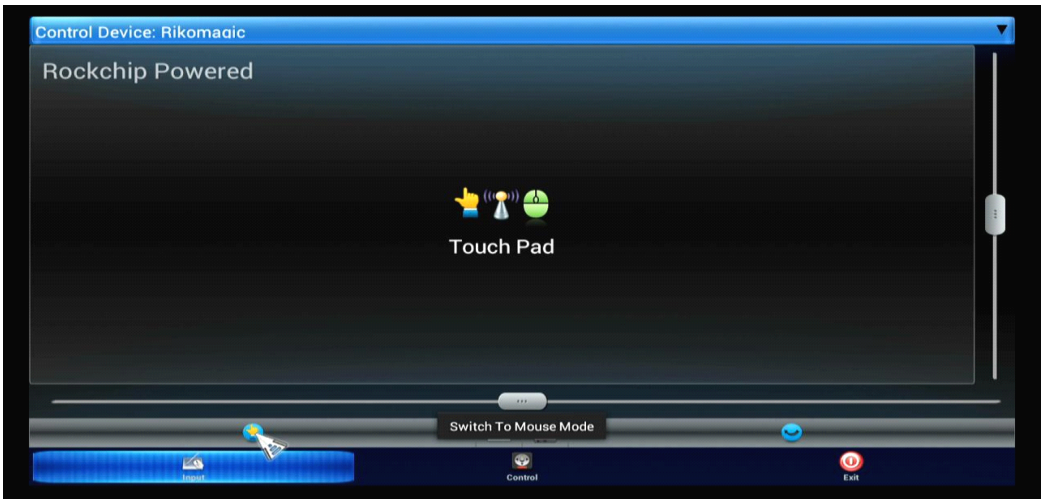
9. Multi-screen interaction

Multi-screen interaction is the most popular technology.Through this function, user can remote control the item by smart phone or any Android tablet PC.User can download the special APP (MK802 III) from Google play store and install onto smart phone, the APK will including touch pad which can be used as mouse; virtual keyboard, virtual remote control, return, G-sensor.Turn on G-sensor, user can play somatic

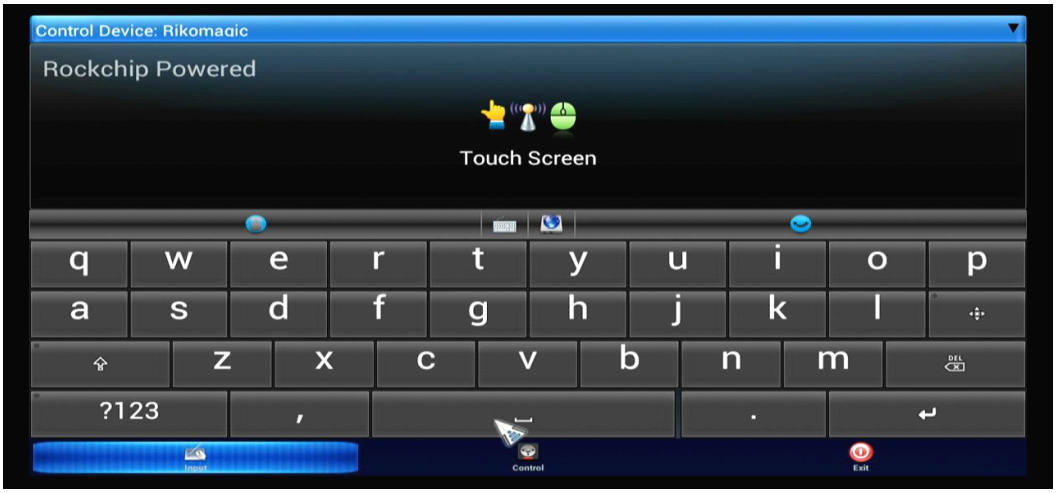
games by their smart phone freely.

Software Interface

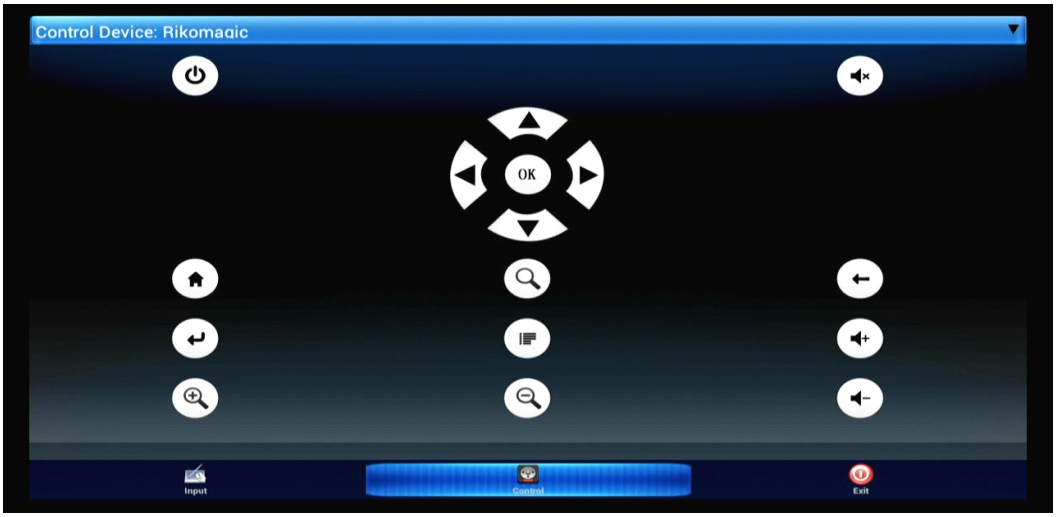
Touch Pad



Virtual keyboard

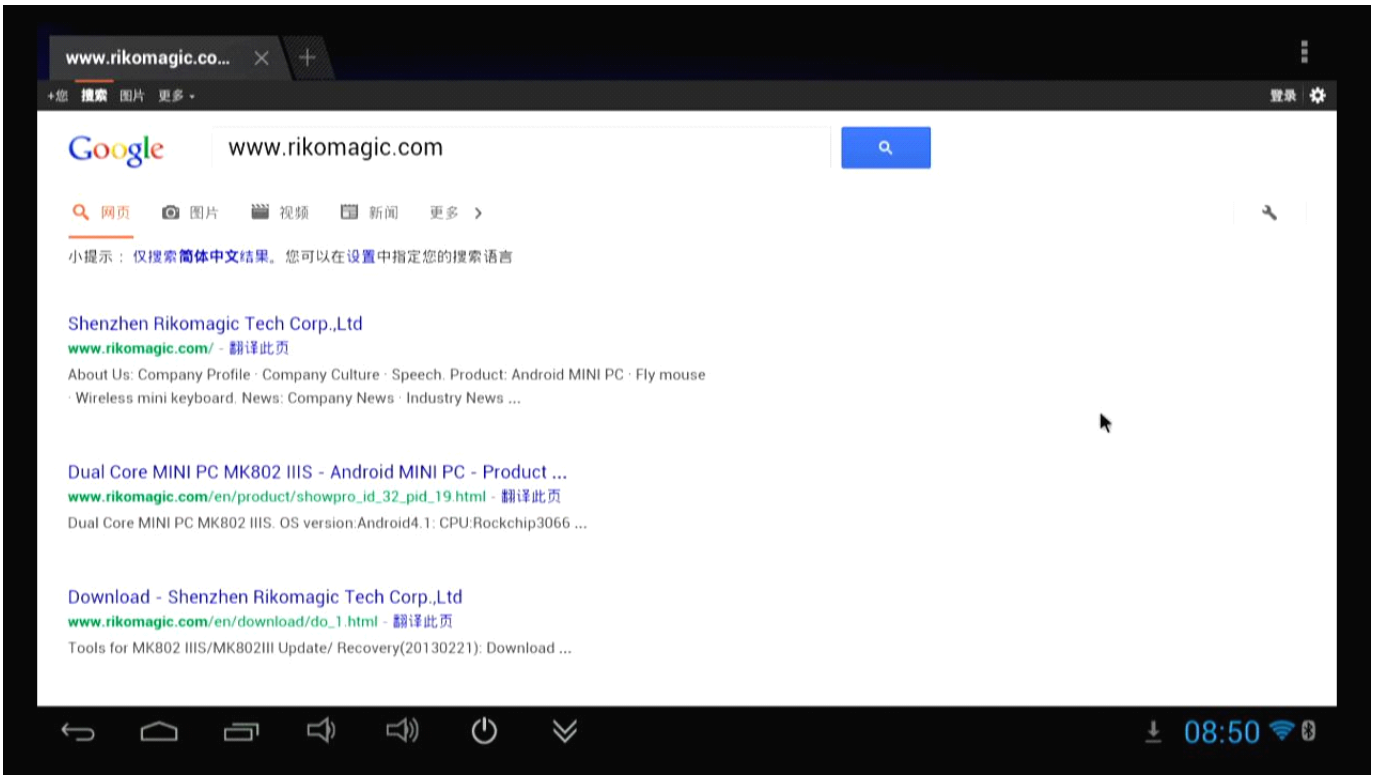


Remote control Interface



10. Web Browsing

After connected network, you can access the webpage screen through the system browser.


www.rikomagic.co...
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www.rikomagic.com
网页
图片
视频
新闻
更多
小提示： 仅搜索简体中文结果。您可以在设置中指定您的搜索语言
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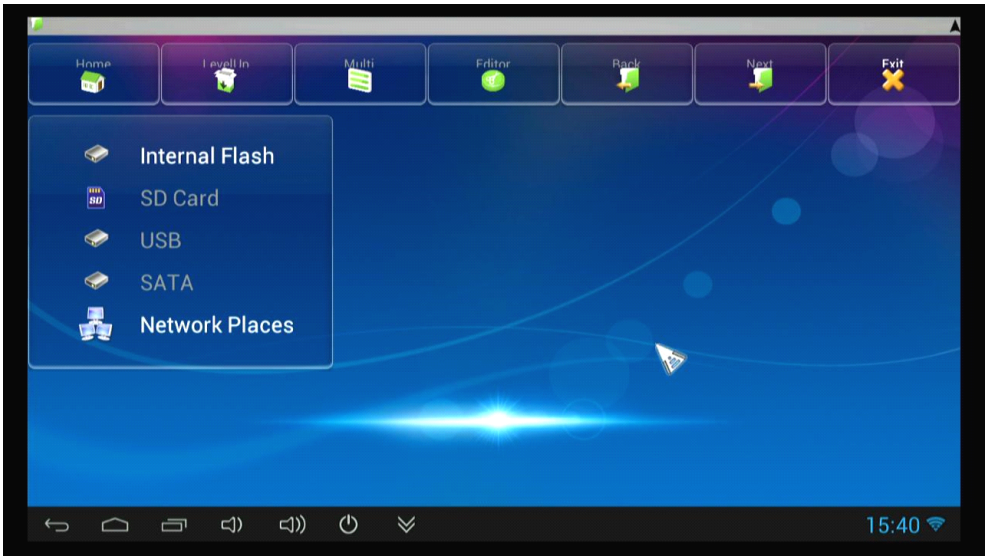
Dual Core MINI PC MK802 IIIS. OS version:Android4.1: CPU:Rockchip3066 ...
Download - Shenzhen Rikomagic Tech Corp.,Ltd
www.rikomagic.com/en/download/do_1.html - 翻译此页
Tools for MK802 IIIS/MK802III Update/ Recovery(20130221): Download ...
08:50

New opened webpage will be shown on the screen as tag, click “+” to add new webpage, click “x“ to close the webpage.

11. Local audio & video playback

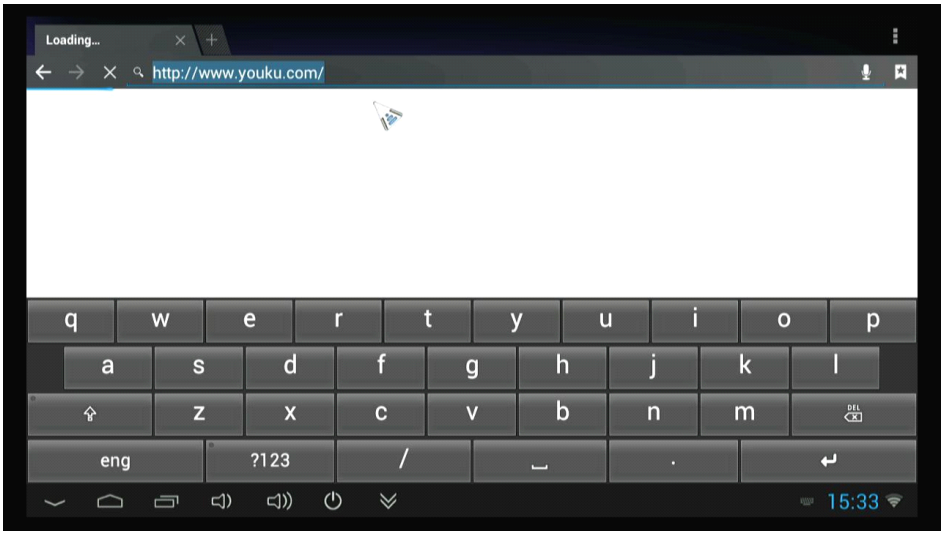
Through the file manager, user can browse & playback those contents of TF card, USB flash or USB HDD.



12. Use virtual keyboard

If just connect USB mouse only, then below virtual keyboard will pop up;

If connect with physical keyboard, system will hidden the virtual keyboard.



13. Switch input methods

Click the keyboard icon at the right-bottom status bar from desktop;

All the installed methods will display as below picture, and you can choose one of you prefer:

14. System recovery/update

If your MK802 IIIS has following issues, please solve these issues by recovery/update methods.

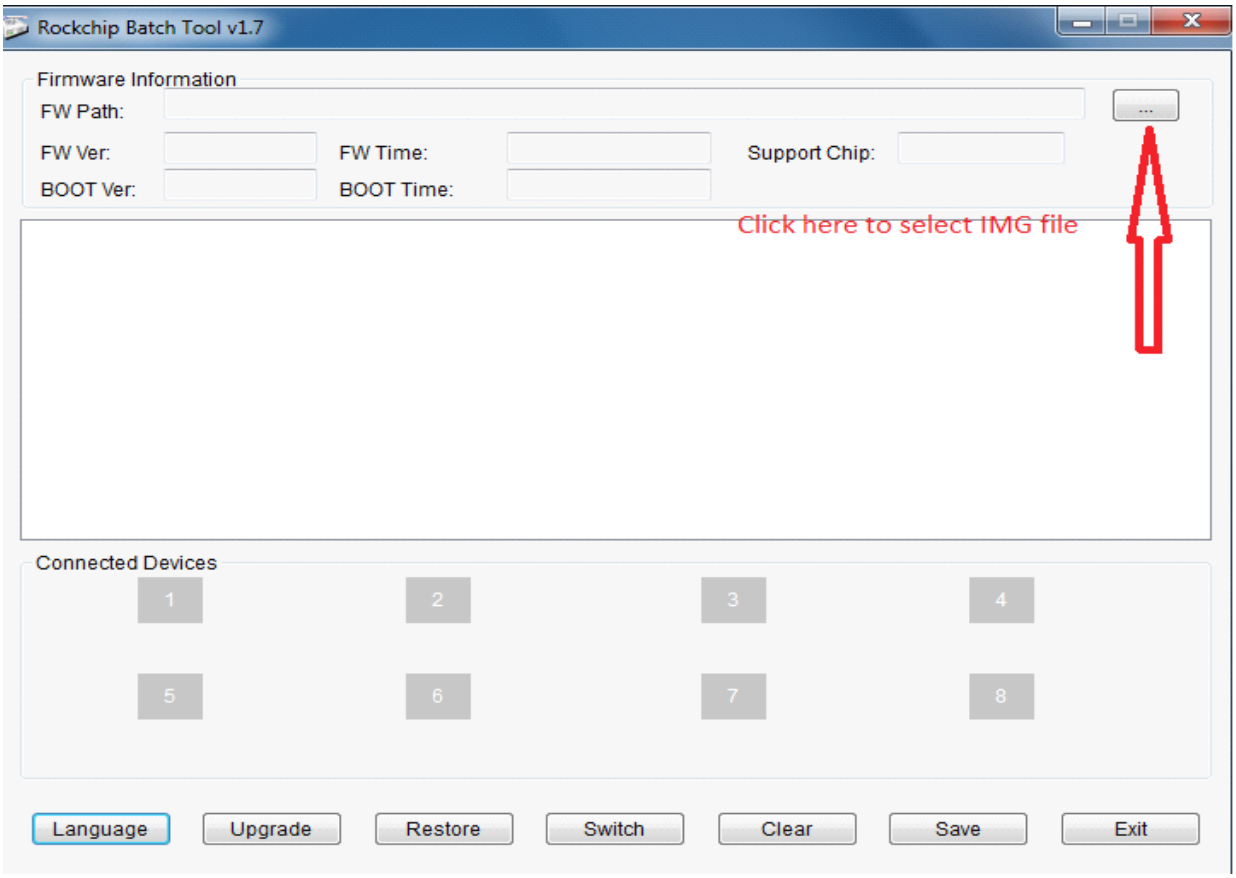
1. If you need update to the latest firmware,
2. After boot, there is no signal;
3. There is only boot screen;
4. System running very slow, crashing;
5. Can't find the wireless network equipment, or can't connect wireless;
6. When installation apps, player loss power unexpected and cant boot up.
7. TF card update failed and can't boot again etc.

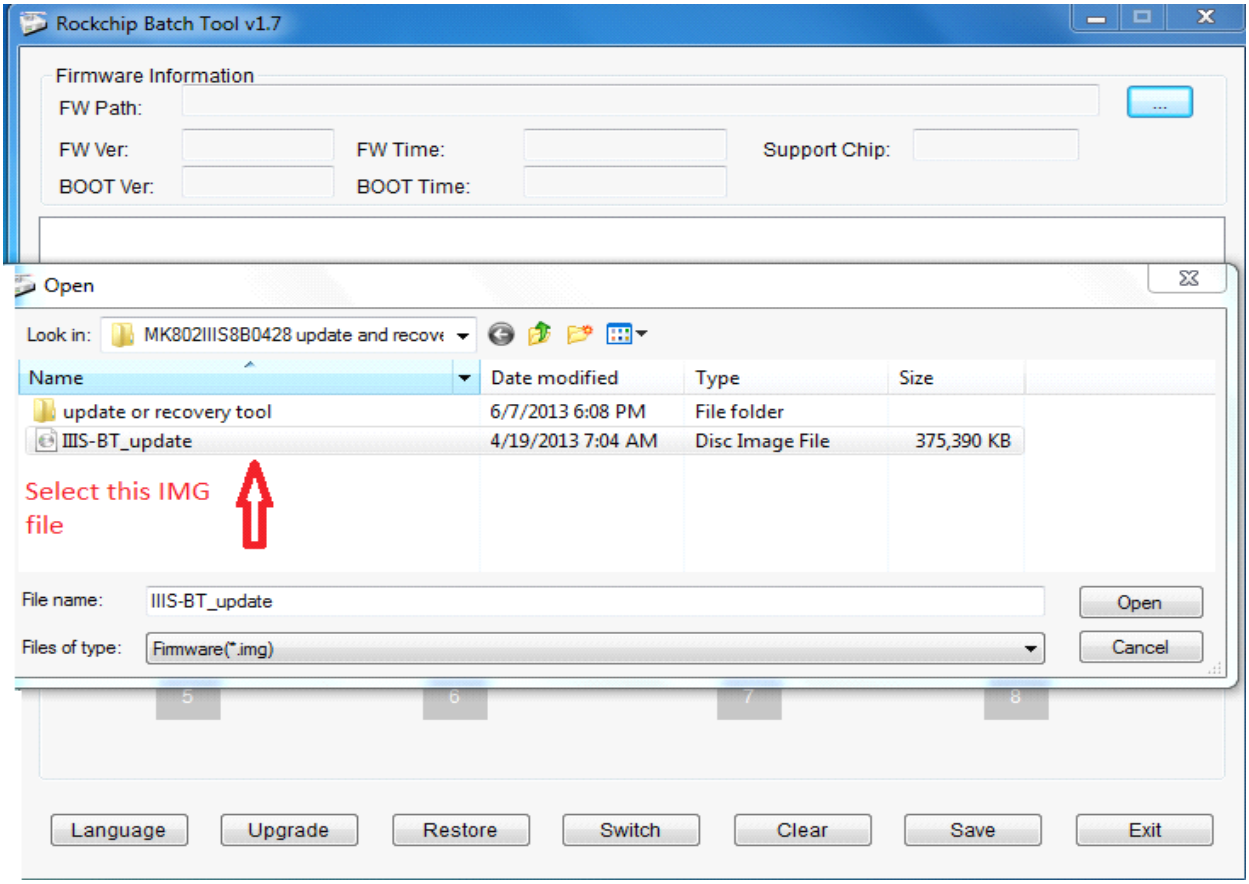
14.1 Recovery/update on Windows XP system

First, download recovery tool Batch Tool, driver and recovery firmware,(img file) from official website.

Download, decompression the folder and find

to double click, below screen will pop out, then add img file.





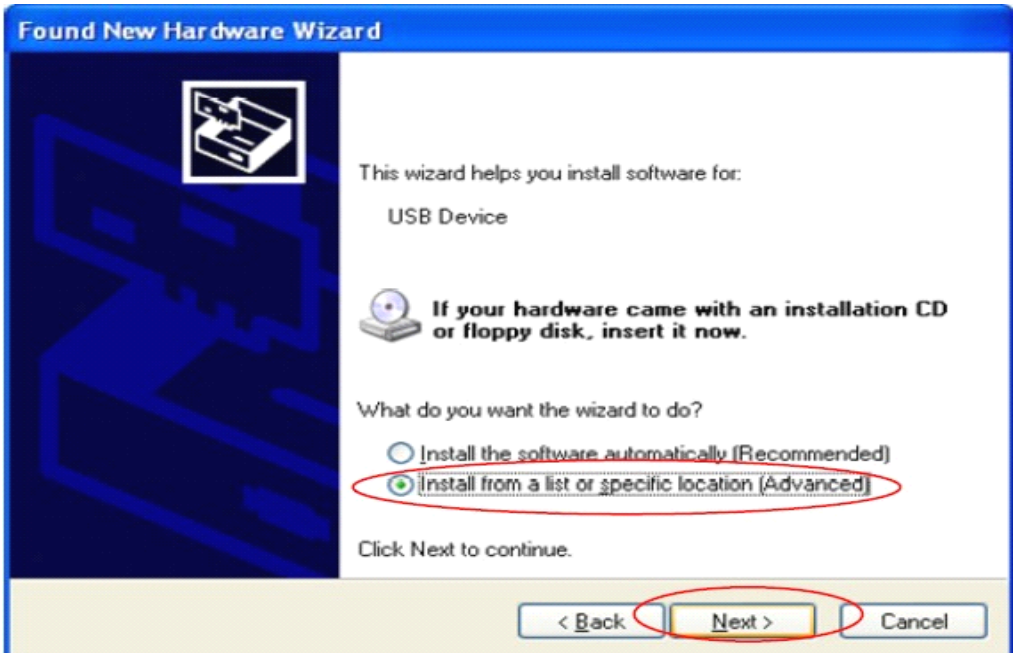
Second, connect the mini pc with computer.

1. Prepare an USB cable (Micro USB to USB cable); insert the normal USB port to computer usb host.
2. Prepare a thin metal stick; press the recover button by the stick according below method.

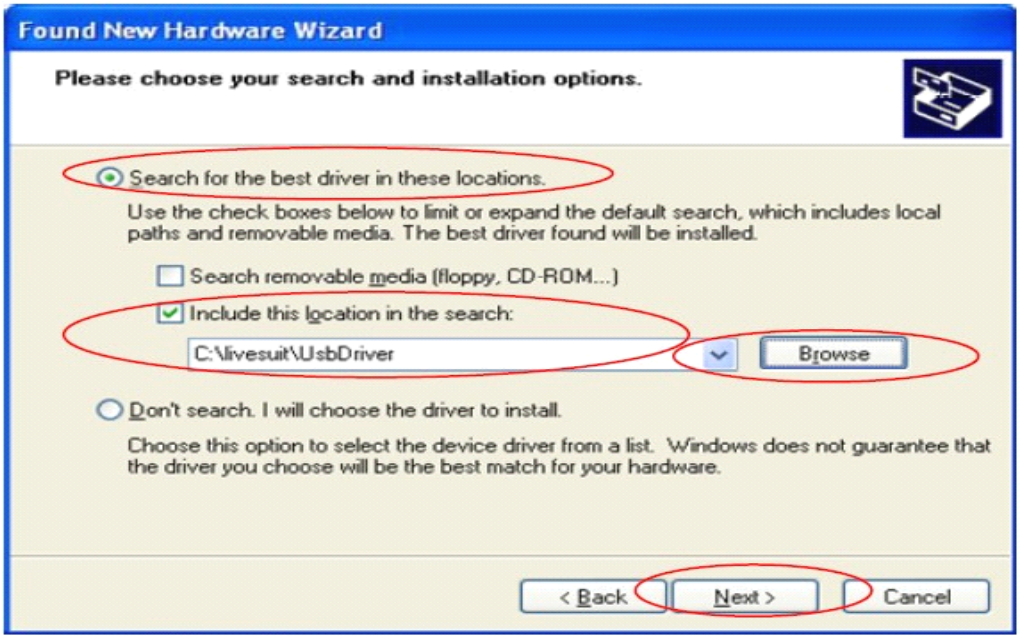
3. Don't loose the stick, at same time, insert the micro USB port to the unit USB OTG port, after 3-5s, loose the stick.

Third, usb driver installation

There will pop up a guide window to install new driver.

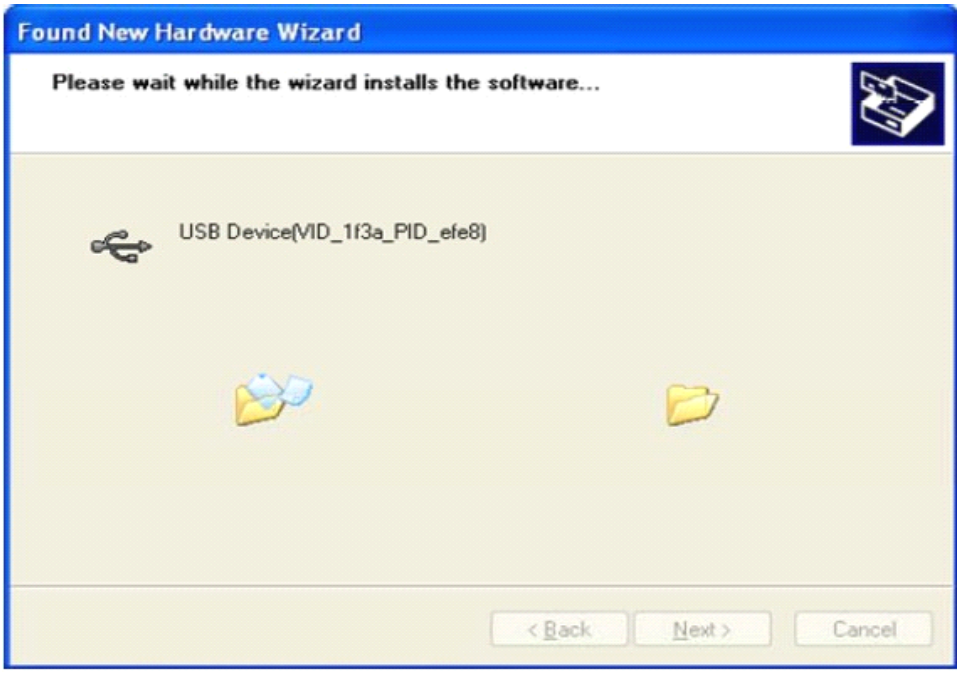

Found New Hardware Wizard
This wizard helps you install software for:
USB Device
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

Select “next”


Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
C:\livesuit\UsbDriver
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

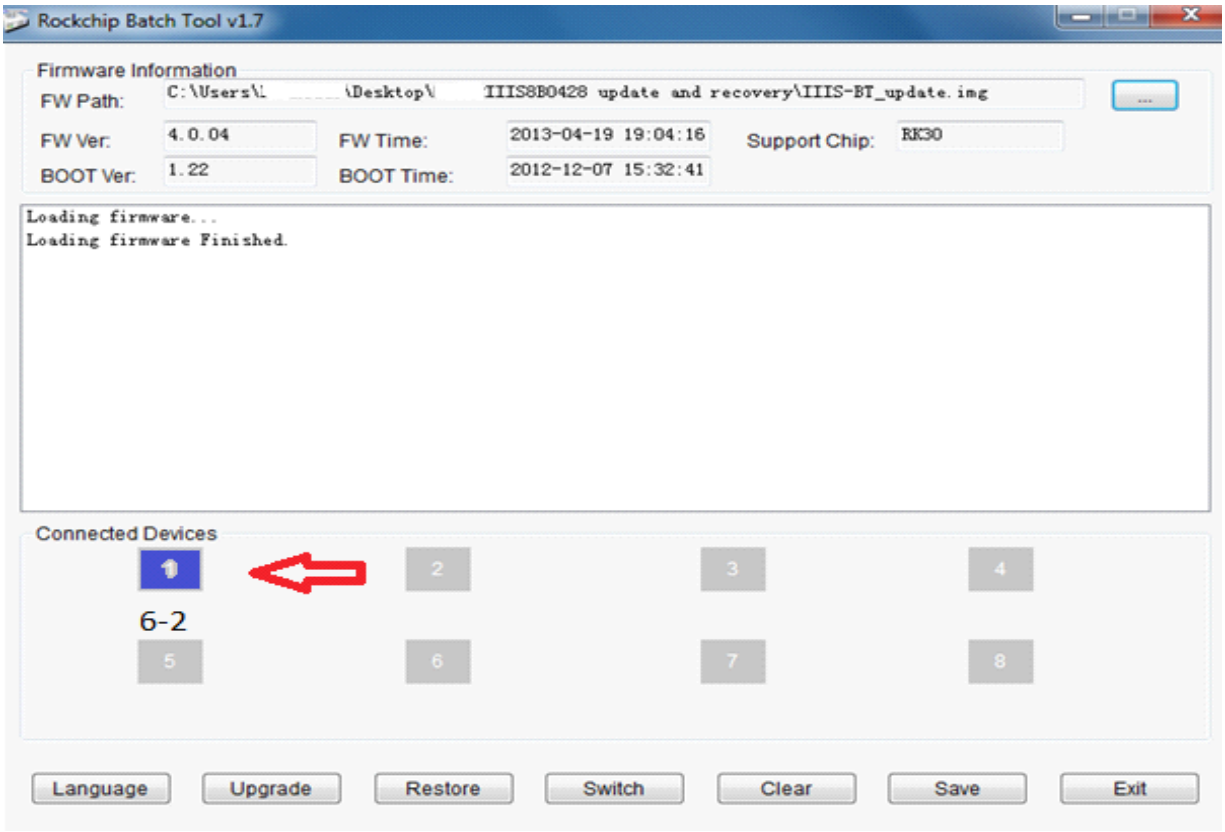
Choose the options as picture display, then click browse,find out

, then click “next” to install.

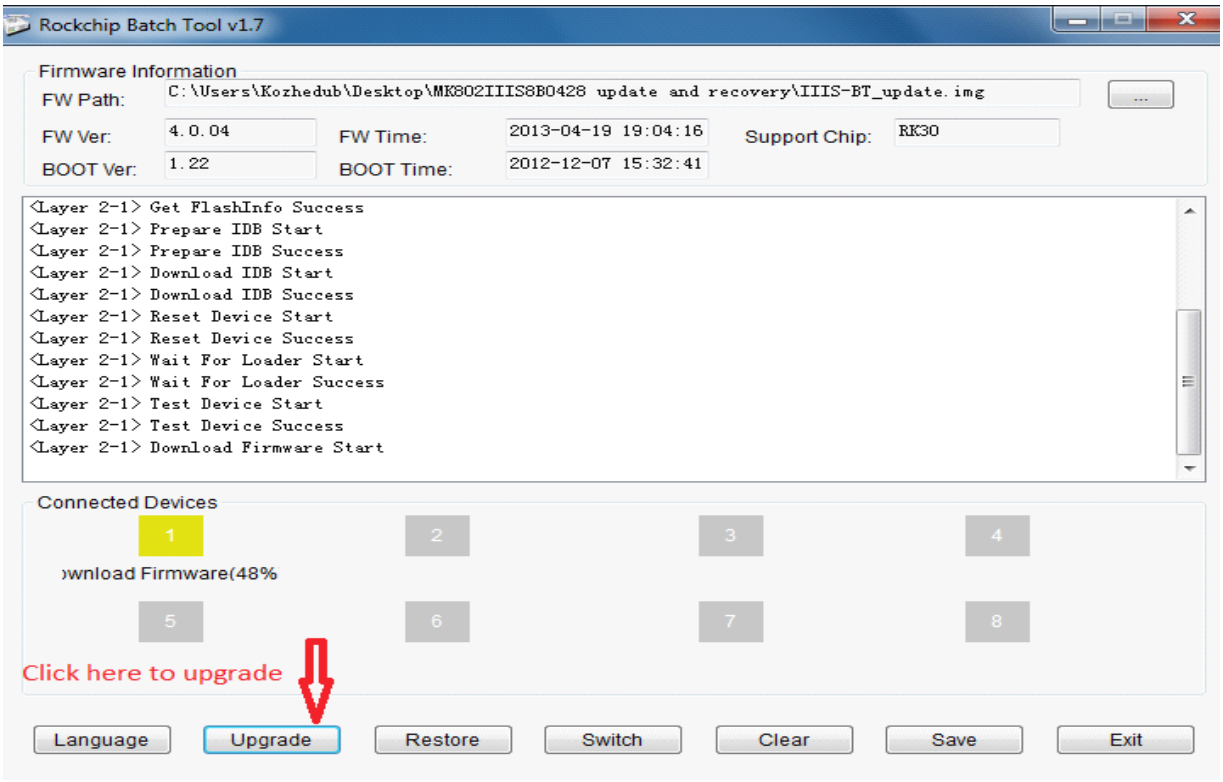


When finished installation, the computer will pop up below window, then click“finish”

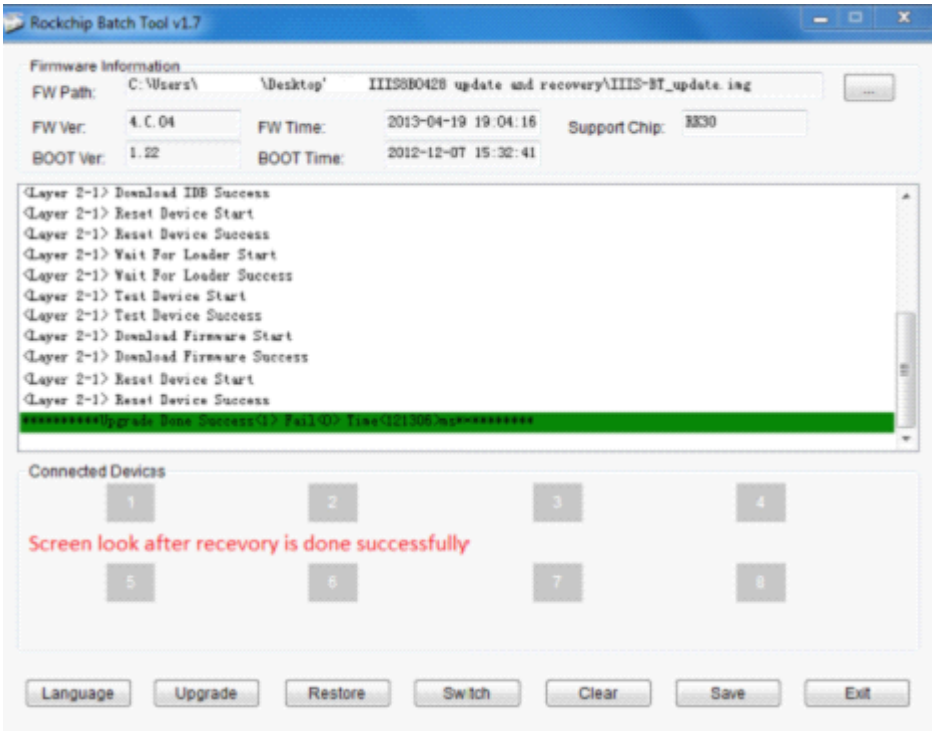
After installation, the “connect device” icon on the “batch tool” will changed to blue, as below:



Then Click “upgrade” (the second button of below picture) for recovery, as below.



This procedure will take 3 minutes also, please wait patiently, during recovery/upgrade, don’t remove the USB cable.



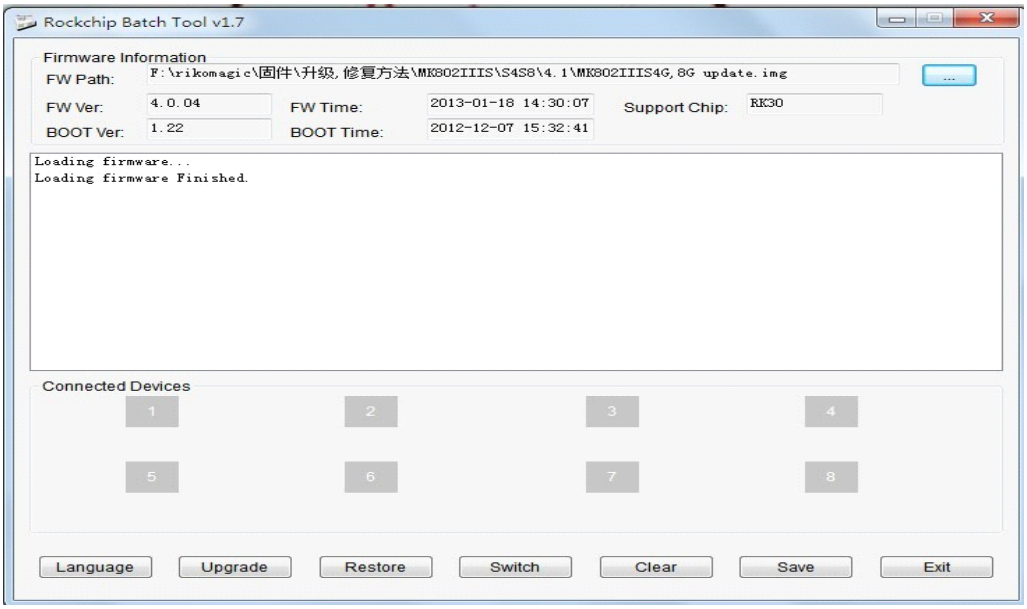
When this above prompt window appears, then means recovery is successful, pull out USB cable, then total process is finished.

14.2 Recovery/update on Windows WIN7 system

First, download recovery tool,driver and recovery firmware(img file) from official website.

Download, decompression the folder and find

to double click, below screen will pop out, then add img file.



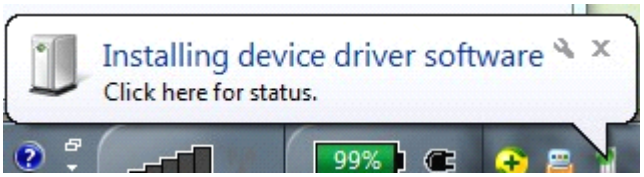
Second, connect the mini pc with computer.

1. Prepare an USB cable(Micro USB to USB cable),insert the normal USB port to computer usb host.

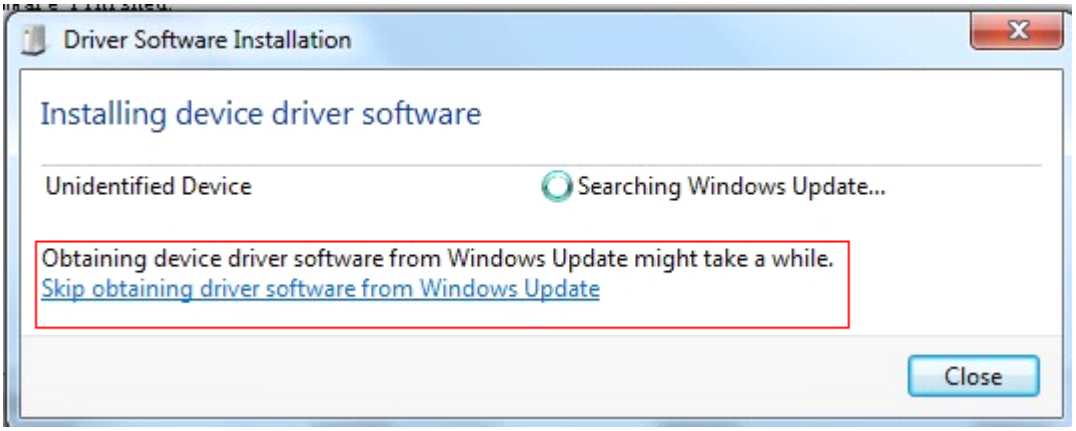
2. Prepare a thin metal stick, press the recover button by the stick according below method.

3.Don't loose the stick, at same time, insert the micro usb port to the unit USB OTG port, after 3-5s,loose the stick.

You will get a below picture:



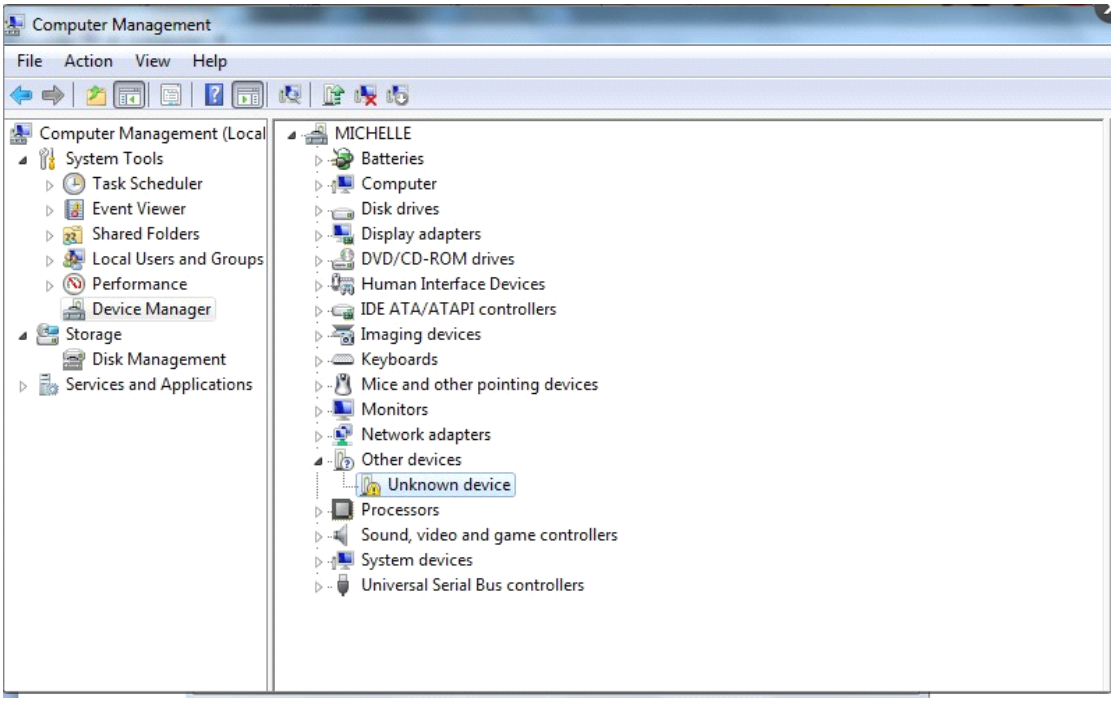
Double click this icon, will pop up below picture.


Driver Software Installation
Installing device driver software
Unidentified Device
Searching Windows Update...
Obtaining device driver software from Windows Update might take a while.
Skip obtaining driver software from Windows Update
Close

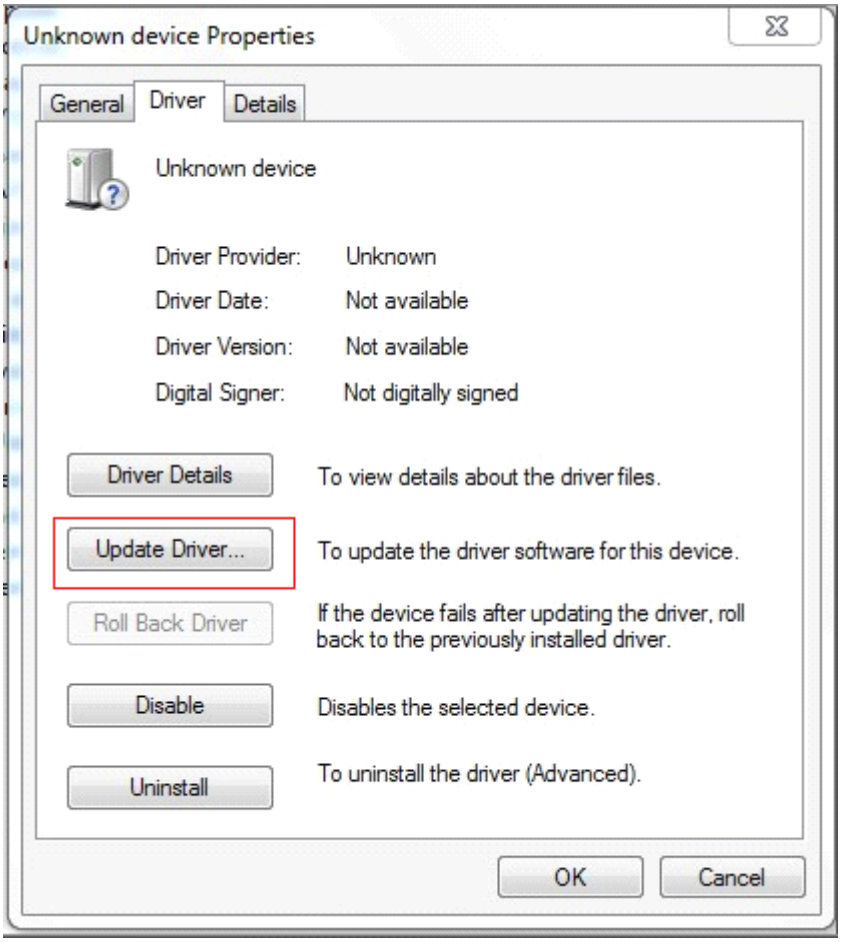
Press Yes to skip obtaining driver software from windows update.

Third, install the USB driver.

Press"computer"with right key, computer---management--device management--other device, pls check below picutre.

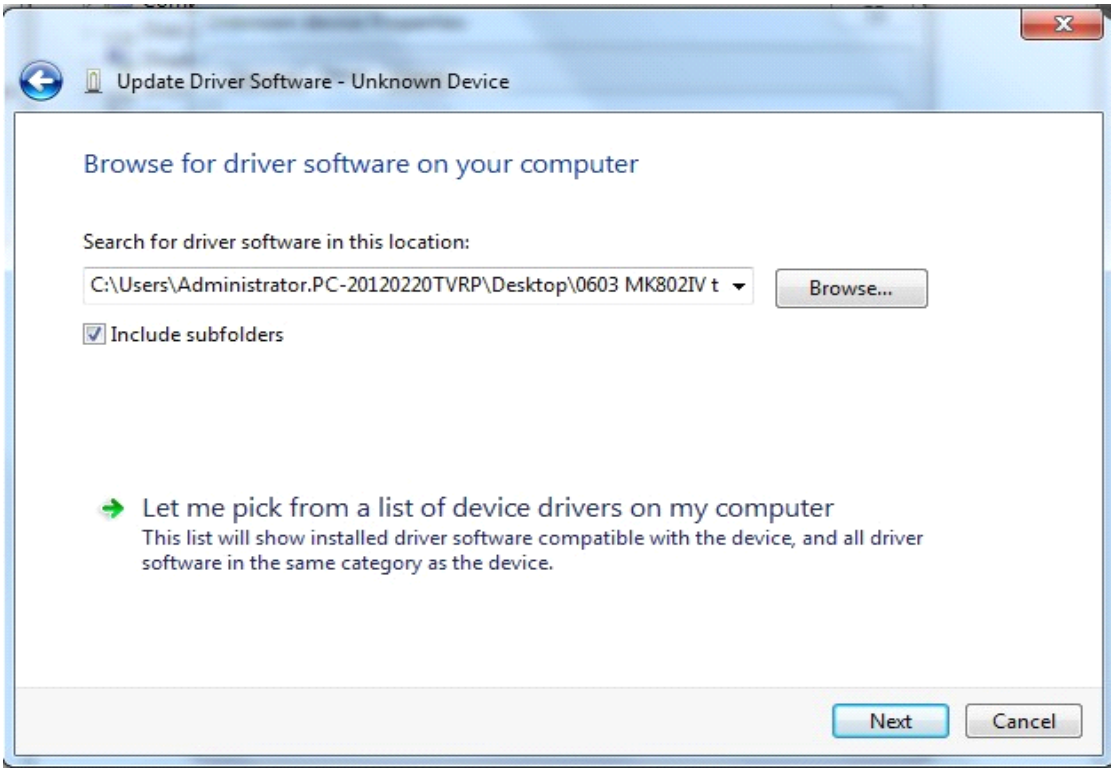


Double click unkown device.

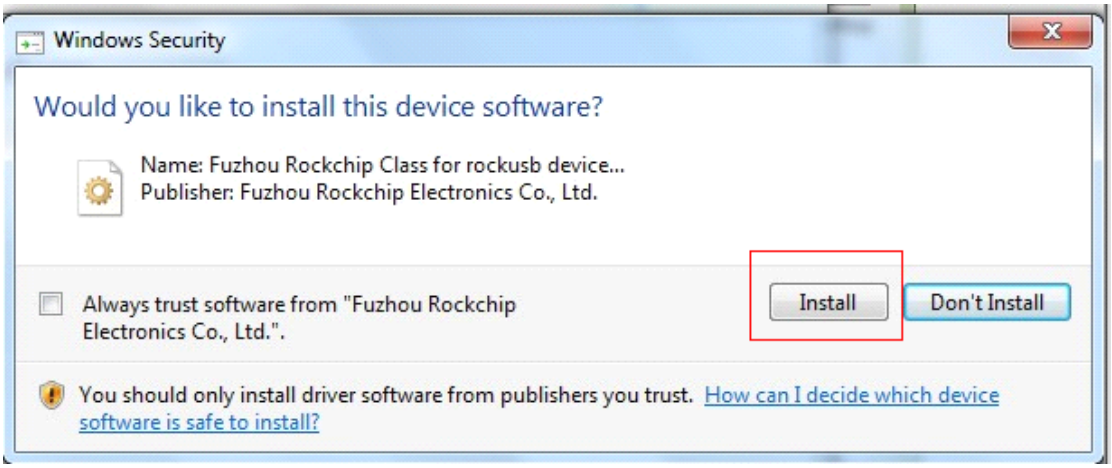


Press update driver,Click browse for driver software on your computer. And choose the correct driver.

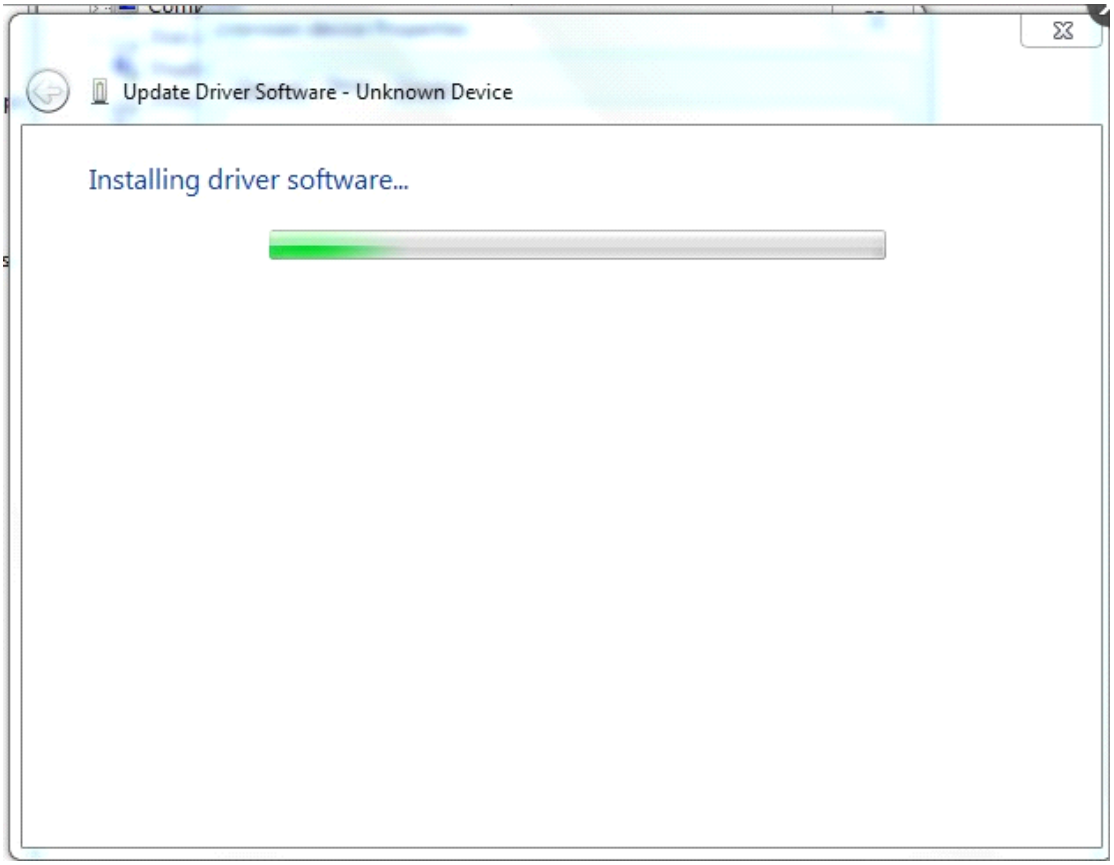
If your computer is WIN7 32bit, choose x86--win7; if it is WIN7 64bit, choose x64--win7.

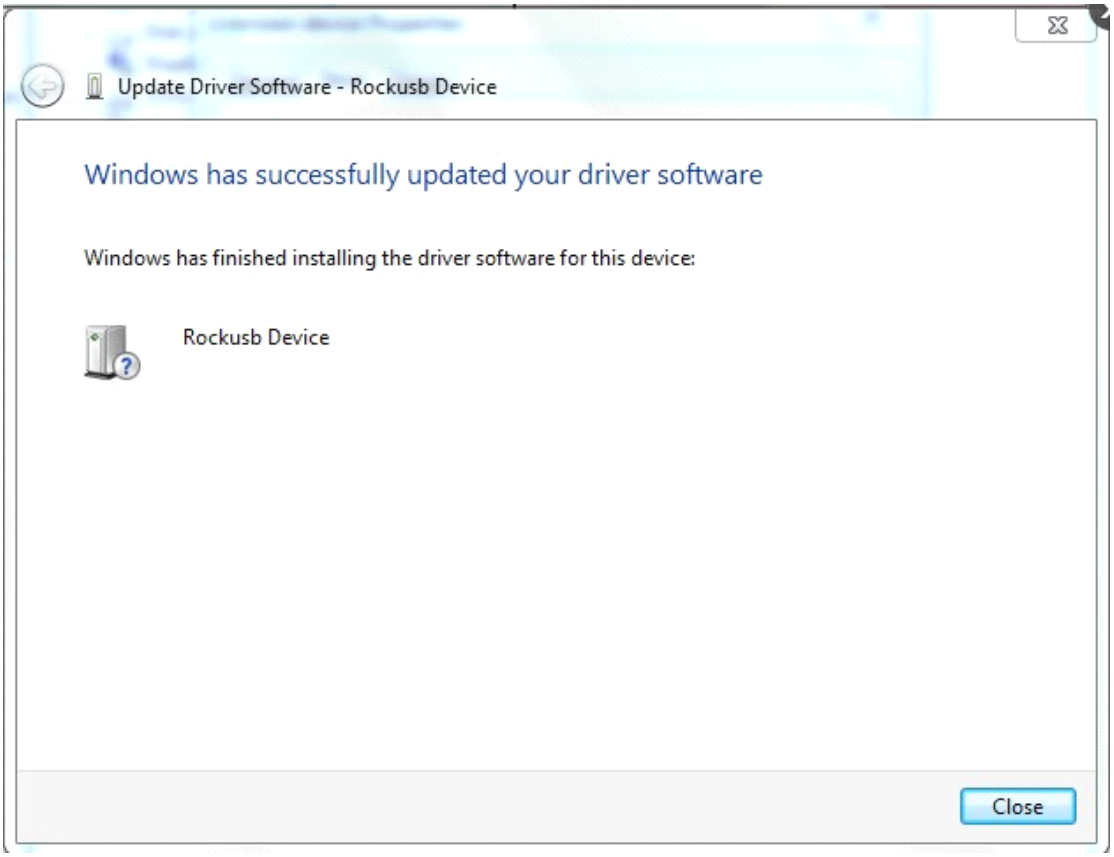

Update Driver Software - Unknown Device
Browse for driver software on your computer
Search for driver software in this location:
C:\Users\Administrator.PC-20120220TVRP\Desktop\0603 MK802IV t
Browse...
Include subfolders
Let me pick from a list of device drivers on my computer
This list will show installed driver software compatible with the device, and all driver software in the same category as the device.
Next
Cancel

Press next, will pop up below window, Click on the image below red circle option.Click install.


Windows Security
Would you like to install this device software?
Name: Fuzhou Rockchip Class for rockusb device...
Publisher: Fuzhou Rockchip Electronics Co., Ltd.
Always trust software from "Fuzhou Rockchip Electronics Co., Ltd.".
Install
Don't Install
You should only install driver software from publishers you trust. How can I decide which device software is safe to install?

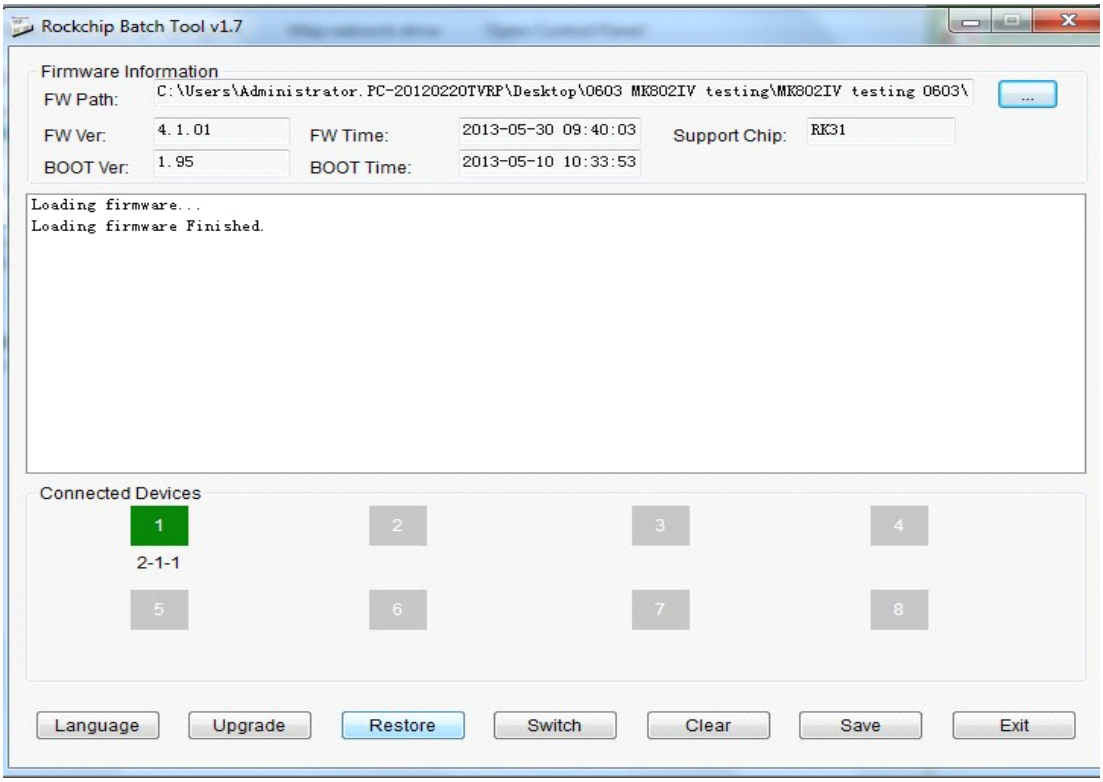
Then pls wait for installation.See below picture.



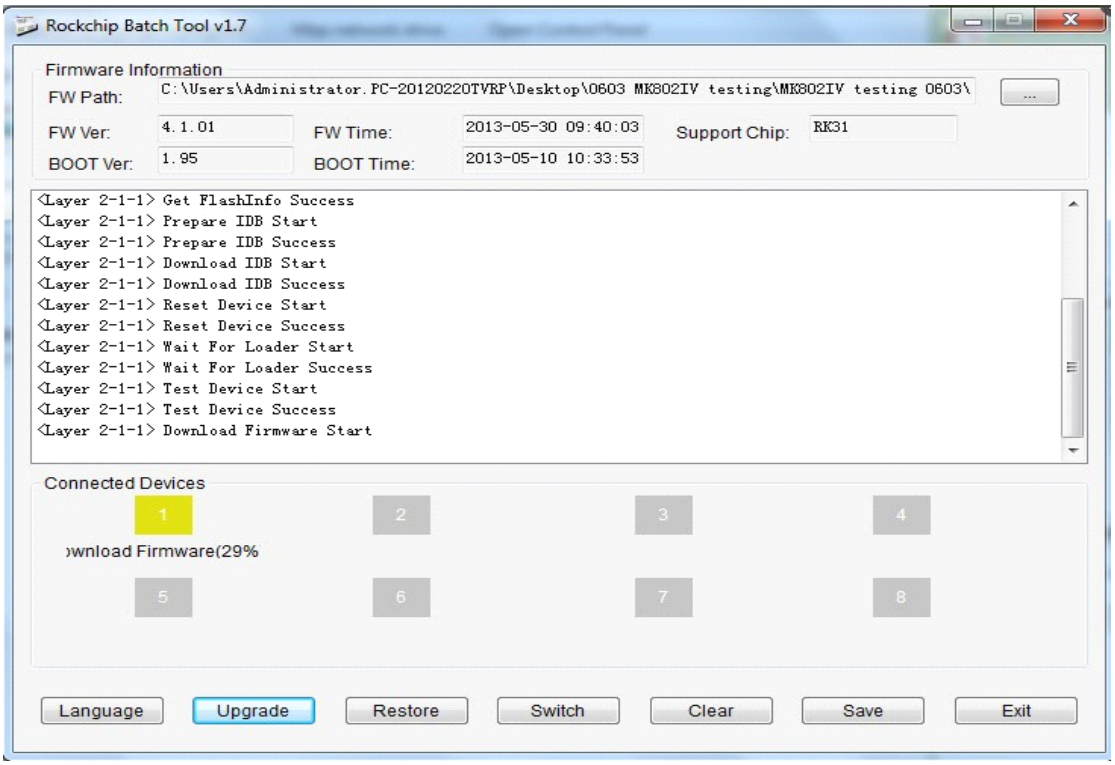

Update Driver Software - Rockusb Device
Windows has successfully updated your driver software
Windows has finished installing the driver software for this device:
Rockusb Device
Close

Now the driver was installed successfully. Press close.

After successful installation, the batch tool will connect the MK802IIIS automatically.If it cant connect automatically, pls reconnect the MK802IIIS to the computer by usb cable again. See step 1. No need to do step2.

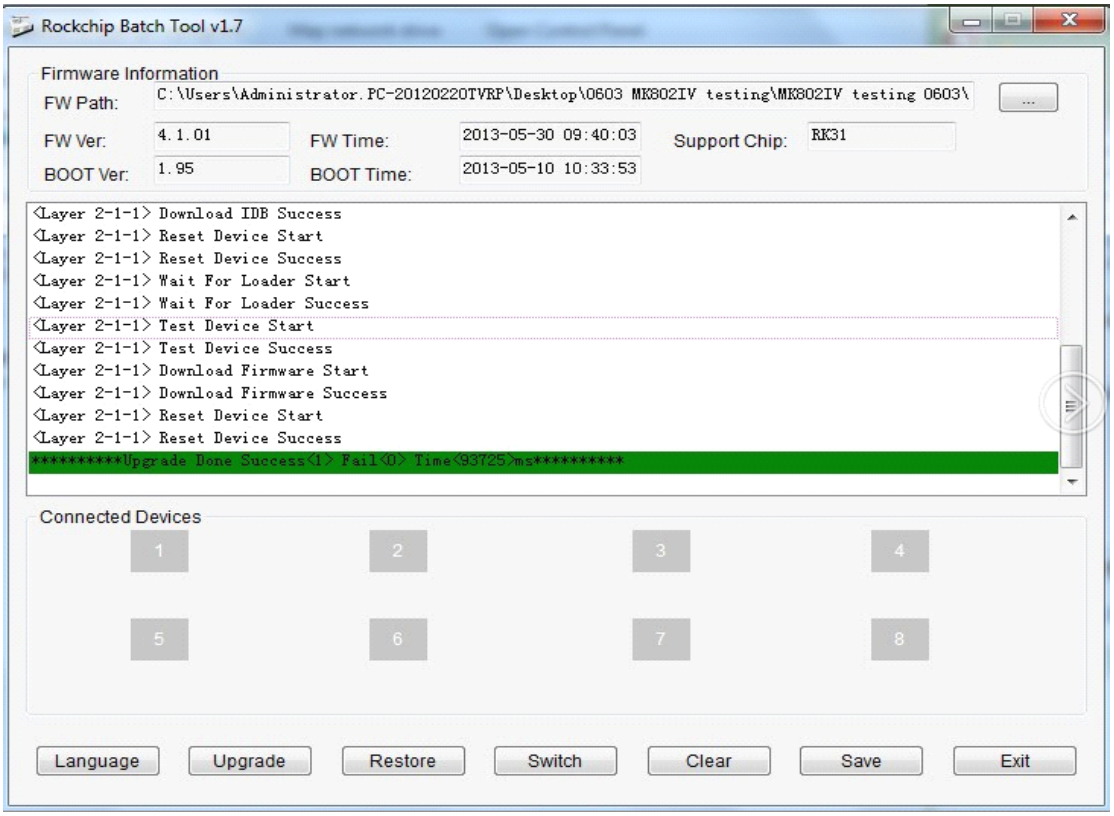


Then Click “upgrade”for recovery, as below .



This procedure will cost 3minutes also, pls wait patiently, during recovery/upgrade, don't remove the USB cable.

When this prompt window appears, then means recovery is successful, pull out USB cable, then total process is finished.



Notice:

1.Don't power off during updating or recovering.

2.Same computer just need install driver for one time

3.First turn on the unit after recovery/update will cost more long time, and even occur some lag issue, it's normal since internal apk file need be decompressed and occupy RAM, after 5 minutes, then system running well. So don't worry about that.

Question & Answer

- Screen flicker or unstable working: please check if the HDMI cable has been connected tightly.
- Cannot start device: please download FW file from Rikomagic official website: www.rikomagic.com to

refresh the device FW. Make sure all the important data has been backup before process it. If the issue still cannot be solved, please contact the distributor which you bought from.

- Keep restarting system automatically: please check if the device get enough power supply. Sometimes, external HDD cause power shortage. Please plug additional power supply for external HDD or other external devices.
- Cannot find file in SD card or open drive: Please check all the connection of the device. And make sure you have tick of SD and USB Host in “Setting”

Specifications

Model#	MK802 IIIS
CPU	RK3066 Dual Core
GPU	Quad- Core 2D/ 3D/ OpenGL ES2.0(MALI-400)/ OpenVG1.1
OS	Jelly Bean
Main Frequency	Cortex-A9，Up to 1.6GHZ
RAM	1G DDR3
Memory	4GB/8GB
Expand Micro SD	T-Flash(Maximum support 32GB)
Browser	Browse webpage
Video Format	WMV/ASF/MP4/3GP/3G2M4V/AVI/MJPEG/RV10/DivX/VC-1/MPEG-2/MPEG-4/H.263/H.264/1280*720P HD 30 fps, 1080P/720*480 D1 30fps
Audio Format	MP3/WMA/APE/FLAC/AAC/OGG/AC3/WAV
WiFi	802.11 b/g/n
Bluetooth	Suit for V1.0 to V3.0(optional)
Flash	Supports flash 11.1
Ports	HDMI(male),Micro SD slot, USB host x2, USB power port; LED(Blue)
Accessory	HDMI cable, USB power cable, manual, MircoUSB to USB(female) adapter; USB power adapter(optional),

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